

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E81786

**Participation :** CTR

**Employer :** The Boeing Company

**Status :** Affected

**Worksite :** The Boeing Company - South Park

**Survey Type :** Online

**Street :** 1420 S Trenton St Boeing South Park

**Response Rate :** 55%

**Jurisdiction :** City of Seattle

**Survey Date :** 5/1/2018

### Non-Drive Alone & One-Way VMT Rates at this Worksite

**Non-Drive Alone Rate :** 21.7%

**Drive Alone Rate :** 78.3%

**One-Way VMT per employee :** 18.0

**Average One-Way distance home to work :** 21.9

### Employees and Survey Response Information

**Reported Total Employees at Worksite:** 448

**Surveys Distributed :** 436

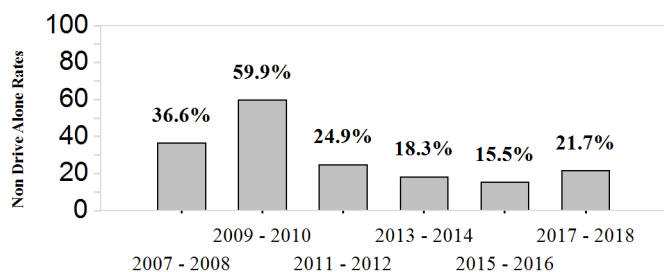
**Surveys Returned :** 238

**Surveys Returned by CTR Affected\* Employees :** 207

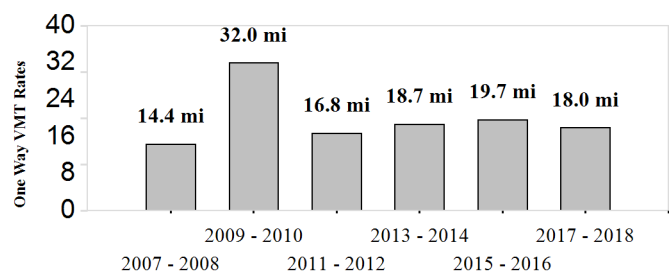
**Total Estimated CTR Affected Employees at Worksite :** 379

\*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.

#### Non Drive Alone Rates - ALL Employees



#### One Way VMT per Employee - ALL Employees



### Site History and Targets

### Annual Metric Tons CO<sub>2</sub>e Pounds CO<sub>2</sub>e

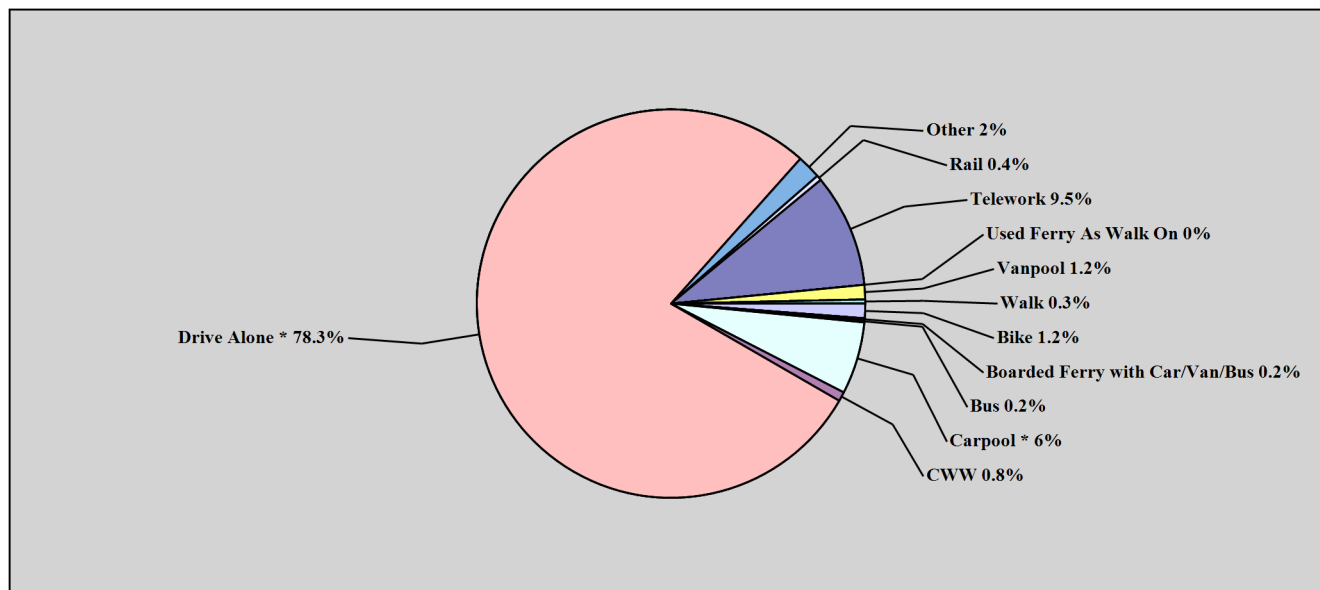
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	36.6%	38.5%	1307	1618	31.8	14.4	13.5
2009 - 2010	24.9%	26.1%	1025	1817	35.8	16.7	16.2
2009 - 2010	35.0%	35.0%	1146	1797	35.4	15.3	15.3
2011 - 2012	24.9%	26.0%	967	2243	44.1	16.8	15.8
2013 - 2014	18.3%	18.9%	1473	2293	45.1	18.7	17.8
2015 - 2016	15.5%	15.0%	1360	1825	35.9	19.7	18.2
2017 - 2018	21.7%	22.3%	930	1751	34.5	18.0	16.3
Target	37.0%				Target:	N/A	
% Point Change Target:	0.4				% Change Target:	N/A	
% Point Change from Baseline:	-14.9				% Change from Baseline:	25.0%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

## Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



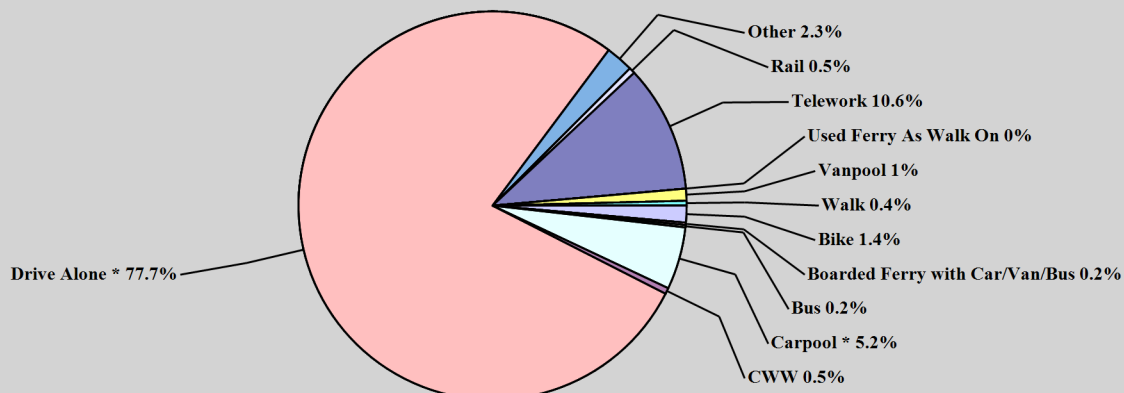
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	911	78.3%	84.5%	217	91.2%	92.9%
Carpool *	70	6.0%	5.2%	21	8.8%	7.7%
Vanpool	14	1.2%	0.5%	4	1.7%	0.6%
Bus	2	0.2%	1.0%	2	0.8%	2.1%
Rail	5	0.4%	0.0%	1	0.4%	0.0%
Bike	14	1.2%	1.9%	8	3.4%	3.5%
Walk	4	0.3%	0.0%	1	0.4%	0.0%
Telework	110	9.5%	5.6%	69	29.0%	21.5%
CWW	9	0.8%	0.5%	5	2.1%	2.4%
Boarded Ferry with Car/Van/Bus	2	0.2%	0.3%	1	0.4%	0.3%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	23	2.0%	0.5%	10	4.2%	0.9%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

## Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	778	77.7%	85.0%	188	90.8%	93.9%
Carpool *	52	5.2%	4.3%	16	7.7%	6.8%
Vanpool	10	1.0%	0.3%	3	1.4%	0.4%
Bus	2	0.2%	0.7%	2	1.0%	2.1%
Rail	5	0.5%	0.0%	1	0.5%	0.0%
Bike	14	1.4%	2.3%	8	3.9%	4.3%
Walk	4	0.4%	0.0%	1	0.5%	0.0%
Telework	106	10.6%	6.3%	65	31.4%	23.6%
CWW	5	0.5%	0.3%	3	1.4%	1.4%
Boarded Ferry with Car/Van/Bus	2	0.2%	0.4%	1	0.5%	0.4%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	23	2.3%	0.5%	10	4.8%	0.7%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

**Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:**

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
<b>0 Day</b>	136	57%	238	100%
<b>1 Days</b>	40	17%	102	43%
<b>2 Days</b>	21	9%	62	26%
<b>3 Days</b>	12	5%	41	17%
<b>4 Days</b>	11	5%	29	12%
<b>5 Days</b>	17	7%	18	8%
<b>6 or More Days</b>	1	0%	1	0%

**Count by Occupancy of Carpools and Vanpools**

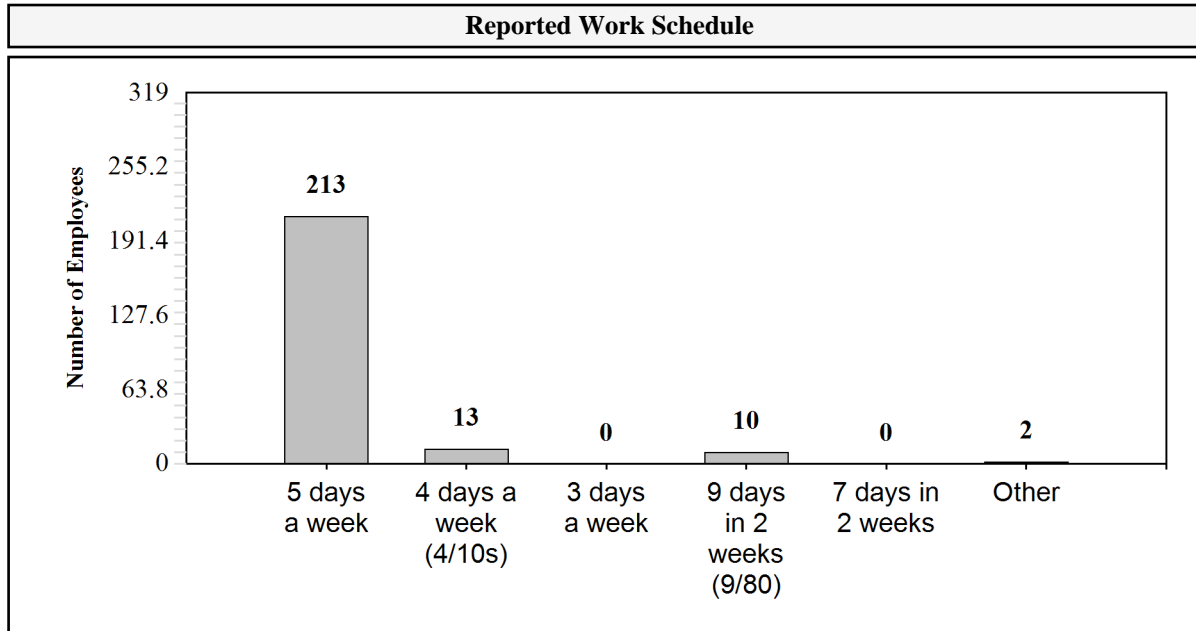
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
<b>2*</b>	Carpool	70
<b>3</b>	Carpool	0
<b>4</b>	Carpool	0
<b>5</b>	Carpool	0
<b>&gt;5</b>	Carpool	0
<b>&lt;5</b>	Vanpool	8
<b>5</b>	Vanpool	0
<b>6</b>	Vanpool	0
<b>7</b>	Vanpool	0
<b>8</b>	Vanpool	4
<b>9</b>	Vanpool	0
<b>10</b>	Vanpool	2
<b>11</b>	Vanpool	0
<b>12</b>	Vanpool	0
<b>13</b>	Vanpool	0
<b>14</b>	Vanpool	0
<b>&gt;14</b>	Vanpool	0

\* Motorcycle-2 counted with Carpool-2 for this table.

## Reported Work Schedule - All Employees

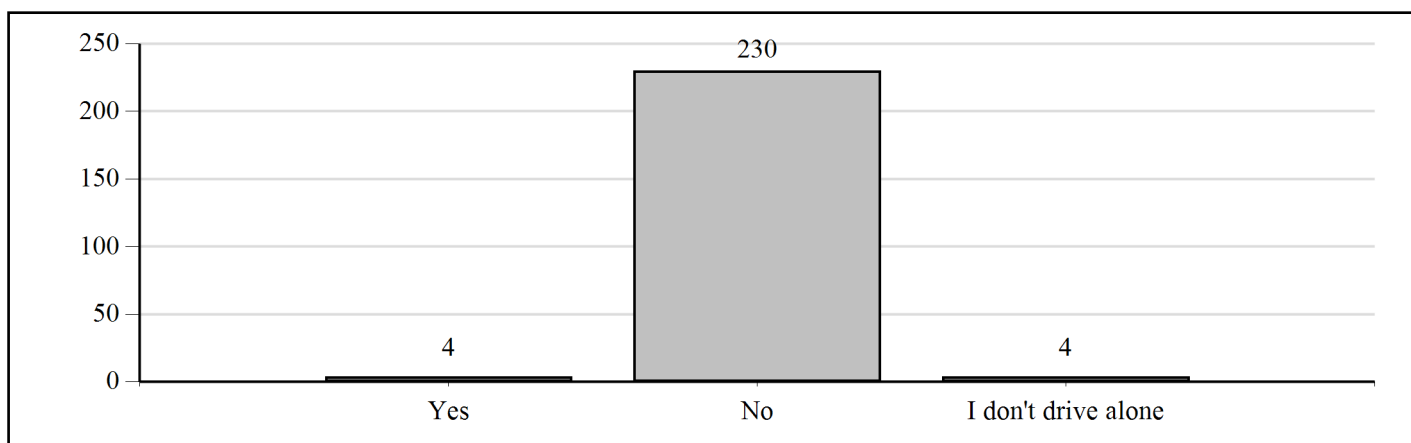
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	213	89.5%
4 days a week (4/10s)	13	5.5%
3 days a week	0	0%
9 days in 2 weeks (9/80)	10	4.2%
7 days in 2 weeks	0	0%
Other	2	0.8%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	0.4%
I don't telework	81	34.0%
Occasionally, on an as-needed basis	61	25.6%
1-2 days/month	8	3.4%
1 day/week	62	26.1%
2 days/week	19	8.0%
3 days/week	6	2.5%

## Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I have the option of teleworking	91	21.6%
To save money	56	13.3%
To save time using the HOV lane	55	13.1%
Personal health or well-being	48	11.4%
Other	48	11.4%
Environmental and community benefits	37	8.8%
Free or subsidized bus, train, vanpool pass or fare benefit	21	5.0%
Financial incentives for carpooling, bicycling or walking.	20	4.8%
Driving myself is not an option	14	3.3%
Cost of parking or lack of parking	12	2.9%
Emergency ride home is provided	10	2.4%
Preferred/reserved carpool/vanpool parking is provided	8	1.9%
I receive a financial incentive for giving up my parking space	1	0.2%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	168	28.6%
I like the convenience of having my car	155	26.4%
Family care or similar obligations	70	11.9%
Other	59	10.0%
My job requires me to use my car for work	51	8.7%
Bicycling or walking isn't safe	38	6.5%
My commute distance is too short	27	4.6%
I need more information on alternative modes	15	2.6%
There isn't any secure or covered bicycle parking	5	0.9%

## Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98042	11	4.62%	53	0	0	0	0	0	0	0	4	0	0	0	0
98059	11	4.62%	29	11	0	0	0	0	3	0	6	1	0	0	5
98006	9	3.78%	33	8	0	0	0	0	0	0	4	0	0	0	0
98092	8	3.36%	38	0	0	0	0	0	0	0	1	0	0	0	0
98031	7	2.94%	29	0	0	0	0	0	0	0	6	0	0	0	0
98058	7	2.94%	23	1	0	0	0	0	0	0	4	2	0	0	0
98038	6	2.52%	22	1	0	0	0	0	0	0	1	0	0	0	2
98136	6	2.52%	29	0	0	0	0	0	0	0	1	0	0	0	0
98023	5	2.10%	15	0	0	0	0	0	0	0	8	2	0	0	0
98001	4	1.68%	18	0	0	0	0	0	0	0	1	0	0	0	0
98010	4	1.68%	15	1	0	0	0	0	0	0	1	0	0	0	2
98022	4	1.68%	15	6	0	0	0	0	0	0	0	0	0	0	0
98030	4	1.68%	15	0	0	0	0	0	1	0	1	0	0	0	0
98032	4	1.68%	16	0	0	0	0	0	0	0	4	0	0	0	1
98055	4	1.68%	20	0	0	0	0	0	0	0	0	0	0	0	0
98075	4	1.68%	14	0	0	0	0	0	0	0	4	0	0	0	2
98116	4	1.68%	12	5	0	3	0	0	0	0	0	0	0	0	0
98126	4	1.68%	18	0	0	0	0	0	0	0	2	0	0	0	0
98208	4	1.68%	10	10	0	0	0	0	0	0	0	0	0	0	0
98374	4	1.68%	10	5	0	0	0	0	0	0	5	0	0	0	0
98391	4	1.68%	13	0	0	5	0	0	0	0	2	0	0	0	0
98003	3	1.26%	13	0	0	0	0	0	0	0	2	0	0	0	0
98005	3	1.26%	10	5	0	0	0	0	0	0	2	0	0	0	0
98029	3	1.26%	13	0	0	0	0	0	0	0	1	0	0	0	0
98047	3	1.26%	15	0	0	0	0	0	0	0	0	0	0	0	0
98056	3	1.26%	10	0	0	0	0	0	0	4	1	0	0	0	0





Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98178	3	1.26%	12	0	0	0	0	0	0	0	2	0	0	0	0
98201	3	1.26%	14	1	0	0	0	0	0	0	0	0	0	0	0
98360	3	1.26%	15	0	0	0	0	0	0	0	0	0	0	0	0
98372	3	1.26%	9	0	0	0	0	0	0	0	0	0	0	0	0
98390	3	1.26%	7	1	0	0	0	5	0	0	1	1	0	0	0
98422	3	1.26%	9	4	0	0	0	0	0	0	2	0	0	0	0
98008	2	0.84%	8	0	2	0	0	0	0	0	0	0	0	0	0
98026	2	0.84%	8	0	0	0	0	0	0	0	2	0	0	0	0
98027	2	0.84%	9	0	0	0	0	0	0	0	1	0	0	0	2
98034	2	0.84%	3	0	0	0	0	0	0	0	2	0	0	0	0
98037	2	0.84%	10	0	0	0	0	0	0	0	0	0	0	0	0
98053	2	0.84%	6	0	4	0	0	0	0	0	0	0	0	0	0
98072	2	0.84%	5	0	0	0	0	0	0	0	1	0	0	0	4
98103	2	0.84%	3	0	0	2	0	0	0	0	0	0	0	0	0
98106	2	0.84%	7	0	0	0	0	0	2	0	2	0	0	0	0
98115	2	0.84%	7	0	0	0	0	0	2	0	1	0	0	0	0
98133	2	0.84%	9	0	0	0	0	0	0	0	0	0	0	0	0
98146	2	0.84%	11	0	0	0	0	0	1	0	0	0	0	0	0
98148	2	0.84%	9	0	0	0	0	0	0	0	1	0	0	0	0
98166	2	0.84%	10	0	0	0	0	0	0	0	0	0	0	0	0
98177	2	0.84%	9	0	0	0	0	0	0	0	1	0	0	0	0
98198	2	0.84%	7	0	0	0	0	0	3	0	0	0	0	0	0
98203	2	0.84%	6	0	0	0	0	0	0	0	2	0	0	0	2
98239	2	0.84%	6	0	0	0	0	0	0	0	0	0	0	0	3
98375	2	0.84%	6	0	4	0	0	0	0	0	0	0	0	0	0
98467	2	0.84%	10	0	0	0	0	0	0	0	0	0	0	0	0
98502	2	0.84%	10	0	0	0	0	0	0	0	0	0	0	0	0
	1	0.42%	4	0	0	0	0	0	0	0	0	0	0	0	0
34205	1	0.42%	0	0	0	0	0	0	0	0	5	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98002	1	0.42%	0	5	0	0	0	0	0	0	0	0	0	0	0
98007	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98012	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98021	1	0.42%	4	0	0	0	0	0	0	0	0	3	0	0	0
98024	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98028	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98033	1	0.42%	3	0	0	0	0	0	0	0	2	0	0	0	0
98040	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98045	1	0.42%	2	0	0	2	0	0	1	0	0	0	0	0	0
98051	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98057	1	0.42%	4	0	0	0	0	0	0	0	1	0	0	0	0
98074	1	0.42%	3	0	0	0	0	0	0	0	2	0	0	0	0
98087	1	0.42%	0	0	0	0	0	0	0	0	0	0	0	0	0
98105	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98117	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98118	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98119	1	0.42%	2	0	0	0	0	0	0	0	2	0	0	0	0
98121	1	0.42%	2	0	0	0	1	0	1	0	1	0	0	0	0
98125	1	0.42%	3	0	0	0	0	0	0	0	3	0	0	0	0
98155	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98168	1	0.42%	3	0	0	0	0	0	0	0	2	0	0	0	0
98188	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98199	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98230	1	0.42%	0	0	0	0	0	0	0	0	5	0	0	0	0
98292	1	0.42%	7	0	0	0	0	0	0	0	0	0	0	0	0
98321	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98323	1	0.42%	0	5	0	0	0	0	0	0	0	0	0	0	0
98332	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98335	1	0.42%	4	0	0	0	0	0	0	0	1	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98354	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98370	1	0.42%	1	0	0	0	0	0	0	0	2	0	2	0	0
98371	1	0.42%	3	1	0	0	0	0	0	0	1	0	0	0	0
98373	1	0.42%	1	0	4	0	0	0	0	0	0	0	0	0	0
98387	1	0.42%	7	0	0	0	0	0	0	0	0	0	0	0	0
98403	1	0.42%	1	0	0	0	0	0	0	0	4	0	0	0	0
98406	1	0.42%	6	0	0	0	0	0	0	0	0	0	0	0	0
98443	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98445	1	0.42%	4	0	0	0	0	0	0	0	0	0	0	0	0
98466	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98499	1	0.42%	1	0	0	0	1	0	0	0	0	0	0	0	0
98503	1	0.42%	7	0	0	0	0	0	0	0	0	0	0	0	0
98506	1	0.42%	5	0	0	0	0	0	0	0	0	0	0	0	0
98582	1	0.42%	4	0	0	0	0	0	0	0	0	0	0	0	0